

VERSION DESCRIPTION DOCUMENT FOR THE NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)

Release 4.3 Beta

NASA-NPDMS-VDD-14

PrISMS Contract

April 2, 2004



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT FOR THE
NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)
RELEASE 4.3 Beta**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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RELEASE 4.3 Beta**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

April 2, 2004

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1. INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for this release of the NASA Property Disposal Management System (NPDMS). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

1.1 IDENTIFICATION OF THE RELEASE

This software release is identified as NPDMS, Release 4.3 and has an effective release date of April 2, 2004.

1.2 PURPOSE OF THE RELEASE

This release implements modifications for the following Change Control Requests (CCRs):

<u>CCR</u>	<u>Title</u>
487	X90 – NEMS User ID blank on Daily
489	Prevent NPDMS from adding NEMS items that are “Out Coded” or “In Coded”
490	Increase size of #ET-COUNTER on NDR220PA
491	Restrict report number table (055) to only update site unique reports
492	GSA Reimbursement / Donation / GSA Sell / Appropriation
493	Default value for Notify POC and Notify Custodian

This release implements modifications necessitated by the following Discrepancy Reports (DRs):

<u>CCR</u>	<u>Title</u>
	None

1.3 SCOPE

This VDD provides the functional and technical user of NPDMS with information regarding the content, status, and structure of Release 4.3, including the following:

- Changes implemented since Release 4.2;
- Validation procedures to ensure the reliability of release changes;
- References to other documentation affected by this release;
- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for NPDMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Use following Key Words: SESAAS & NPDMS)

Telephone: (256) 544-6673

Email: neal.cantrell@msfc.nasa.gov

FAX: (256) 544-1836

2.0 FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release.

2.2 FUNCTIONAL INTERFACES

This section is not applicable for this release.

2.3 CRITICAL ISSUES

This section is not applicable for this release.

2.4 AFFECTED DOCUMENTS

The following documents were changed for this release:

NPDMS User and Operations Guide (UOG)
NPDMS Data Dictionary

2.5 APPLICATION SYSTEM ADMINISTRATION

There are no application system administration changes associated with this release.

3.0 TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

There are no technical system interface issues with this release.

3.2 DATA DICTIONARY CHANGES

Refer to Appendix D, Section 4.1, for the data dictionary changes in this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Section 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for NPDMS Software Release 4.3 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

4.0 KNOWN AND OPEN PROBLEMS

There are no known or open problems related to this release.

APPENDIX A - ABBREVIATIONS AND ACRONYMS

CC	Consolidation Center
CCR	Change Control Request
CSC	Computer Sciences Corporation
DBA	Database Administrator
DR	Discrepancy Report
FAX	Electronic Facsimile Transmission
IRM	Information Resources Management
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NEMS	NASA Equipment Management System
NPDMS	NASA Property Disposal Management System
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
VDD	Version Description Document

APPENDIX B - GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a NASA software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of a NASA application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with a NASA application.

APPENDIX C - FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release:

Section	CCR	Title
1.0	487	X90 – NEMS User ID blank on Daily
2.0	489	Prevent NPDMS from adding NEMS items that are “Out Coded” or “In Coded”
3.0	490	Increase size of #ET-COUNTER on NDR220PA
4.0	491	Restrict Report Table (055) to only update site unique reports
5.0	492	GSA Reimbursement / Donation / GSA Sell / Appropriation
6.0	493	Default value for Notify POC and Notify Custodian

Details for the validation procedures follow:

1.0 CCR 487 – X90 – NEMS User ID blank on Daily

The NEMS User ID is blank for an X90 transaction coming from NPDMS.

Description of Change

Code was changed to populate the User ID from NPDMS on the NEMS-DAILY-TXN file.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Perform a Controlled Add
Expected Results: The NEMS User ID will be populated.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDXNEMPA	NEMS/NPDMS Interface	Program

2.0 CCR 489 – Prevent NPDMS from adding NEMS items that are “Out Coded” or “In Coded”

NPDMS allows equipment to be processed without regard to it's IN or OUT status. Equipment in an IN status (B - Borrow In, E - Lease In, or L - Loan In) or OUT status (B - Borrow Out, E - Lease Out, L - Loan Out, P - Loan Pool Out, or S - Storage) should not be processed in NPDMS until the status has been resolved.

NOTE: The requirement for this CCR was changed to a NEMS-IN-CODE or NEMS-OUT-CODE of 'B' on the NEMS-HISTORY file.

Description of Change

Code was changed to not allow a controlled add in NPDMS for items that have a NEMS-IN-CODE or NEMS-OUT-CODE of 'B' on the NEMS-HISTORY file

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Perform a Non-controlled add for an ECN that is on the NEMS-HISTORY file with a NEMS-IN-CODE of 'B' (must know the Model Number and Serial Number so a match can be found).
Expected Results: Convert the case to a controlled case when the match is found on the Model Number and Serial Number. An error message “6226 – NEMS IN CODE PRESENT DISPOSAL DENIED, CHECK WITH NEMS CNTRL” will be displayed.
- Perform a Non-controlled add for an ECN that is on the NEMS-HISTORY file with a NEMS-OUT-CODE of 'B' (must know the Model Number and Serial Number so a match can be found).
Expected Results: Convert the case to a controlled case when the match is found on the Model Number and Serial Number. An error message “6225 – NEMS OUT CODE PRESENT DISPOSAL DENIED, CHECK WITH NEMS CNTRL” will be displayed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDX500PA	Performs Edits for Dispositions, Freezes	Program

3.0 CCR 490 – Increase Size of #ET-COUNTER in NDR220PA

#ET-COUNTER is currently defined as P4. LaRC had a problem with the size of this counter. They increased the size to P6 and everything worked fine.

Description of Change

Code was changed to increase the #ET-COUNTER from P4 to P6.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Schedule and run Report 220 (Archive History Files).
Expected Results: Report 220 will execute without errors.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR220PA	Archive History Files	Program

4.0 CCR 491 – Restrict report table (055) to only update site unique reports

The Report Number Table (055) is not currently restricted to allow centers to only update their center unique reports. Requirement is to restrict the Report Number Table to only be able to update their own center reports.

Description of Change

Code was changed to restrict access to allow centers to only update their own center unique reports.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Try to change a core report.
Expected Results: A message will be displayed indicating that the record has not been changed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND3055PA	Report/Maintenance Selection Table Update	Program

5.0 CCR 492 – GSA Reimbursement / Donation / GSA Sell / Appropriation

The Reimbursement Indicator, Donation Indicator, and Sell by GSA Indicator need a default value to be populated by each center. These default values can be changed when entering or changing a case. The values for the case will then populate the information on the GSA interface.

Description of Change

Code was changed to add an Installation Default Reimbursement Indicator, Donation Indicator, and Sell by GSA Indicator. The user will have the opportunity to change the defaults when adding/changing a case. The Case value will be sent to GSA.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Change the Center Profile Table (050).
Expected Results: On the Additional Elements for Center Profile Table the Center Default Indicators should be displayed (Reimbursement Ind, Donation Ind, Sell by GSA Ind, Notify POC when available for sale, and Notify Custodian when available for sale) and available to change.
- Browse the Center Profile Table (050).
Expected Results: On the Additional Elements for Center Profile Table the Center Default Indicators should be displayed (Reimbursement Ind, Donation Ind, Sell by GSA Ind, Notify POC when available for sale, and Notify Custodian when available for sale).
- Perform a Case Review.
Expected Results: On Case Review Screen 1 the Reimbursement Ind will be displayed. After Case Review Screen 2 is displayed a pop-up window (Additional GSA Information) will be displayed with the GSA Donation Ind, GSA Sell by GSA Ind, GSA Notify POC when available for Sale, and GSA Notify Custodian when available for Sale fields displayed.
- Add a case.
Expected Results: If the following fields have a default value in table 050 they should be populated: Reimbursement Ind (1st screen), Donation Ind (GSA Reporting Data screen), Sell by GSA Ind (GSA Reporting data screen), Notify POC (GSA Reporting data screen), and Notify Custodian (GSA Reporting data screen). These values can be modified from the default value.
- Change a case.
Expected Results: The following fields can be modified: Reimbursement Ind (1st screen), Donation Ind (GSA Reporting Data screen), Sell by GSA Ind (GSA Reporting data screen), Notify POC (GSA Reporting data screen), and Notify Custodian (GSA Reporting data screen).
- Convert a single item case to a component case
Expected Results: The Indicators that were on the single item case will be on the component case.

- Convert a component case item to a single item case
Expected Results: The Indicators that were on the component case item will be on the single item case.
- Schedule and run the 003 (Sales Listing) report.
Expected Results: The report should execute correctly and generate the Sales Listing report with the Reimbursement Indicator field displayed.
- Schedule and run the 016 (Daily Transaction) report.
Expected Results: The report should execute correctly and generate the Daily Transaction Report with the Reimbursement Indicator field displayed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND3050MA		Map
ND3050MB		Map
ND3050MC		Map
ND3050MD		Map
ND3050PA	Center Profile Table Update	Program
ND3050PB	Browse ND-Table Center Profile	Program
ND4000MA		Map
ND4000ME		Map
ND4000PB	On-line Case display	Program
ND4000PC	On-line Case display	Program
ND4110AA		PDA
ND4110MA		Map
ND4110MC		Map
ND4110MD		Map
ND4110PA	On-line Add	Program
ND4110TB	On-line Add documentation	Text
ND4210AA		PDA
ND4210NA	On-line Case Modification check	Subpgm
ND4210PA	On-line Change	Program
ND4210TB	On-line Change documentation	Text
ND4700LA		LDA
ND4700MA		Map
ND4700PA	Convert Case to Component System	Program
ND4800MA		Map
ND4800PA	Convert Component System Item to Single-Case Item	Program
NDCASELA		LDA
NDCASHLA		LDA
NDM100PA	NPDMS/NSMS Batch Interface	Program
NDR003MD		Map
NDR003PA	Sales Listing Report	Program
NDR016AA		PDA
NDR016LA		LDA

NDR016M1		Map
NDR016M2		Map
NDR016MI		Map
NDR016MJ		Map
NDR016MK		Map
NDR016ML		Map
NDR016MM		Map
NDR016MU		Map
NDR016NB	Daily Transaction Report	Subpgm
NDR016NC	Daily Transaction Report	Subpgm
NDR016NF	Daily Transaction Report	Subpgm
NDR016NG	Daily Transaction Report	Subpgm
NDR016PC	Daily Transaction Report	Program
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program
NDR120PA	GSA SF-120 Excess Report	Program
NDR220GL		GDA
NDR220PA	Archive History Files	Program
NDT050LA		LDA
NDTXABLA		LDA
NDTXAELA		LDA
NDTXALA		LDA
NDTXHBLA		LDA
NDTXHDLB		LDA
NDTXHELA		LDA
NDTXHLA		LDA
NDTXNHLA		LDA
NDTXNLA		LDA
NDXCSUNA	Component System Update	Subpgm
TBLDELPA	Delete Center's Table Data	Program
TBLLOAD	Load ND-Table file	Program
TBLLODPA	Load Center's Table Data from a flat file	Program
TBLUNLD	Unload the ND-Table file	Program
TBLUNLPA	Unload a Center's Table Data from ND-TABLE	Program

SYSERR MSGs

5179
 5180
 5181
 5182
 5183
 5184
 5185

6.0 CCR 493 – Default value for Notify POC and Notify Custodian

GSA added fields in their interface file for Notify POC when available for sale and Notify Custodian when available for sale. These fields are currently defaulted to blank for all cases. A default value needs to be added the Center Profile table (050) for these fields to be used when adding a case. The default value should be allowed to be changed. The value entered (Y/N) will be populated on the GSA interface file

Description of Change

Code was changed to add an Installation Default Notify POC Indicator and Notify Custodian Indicator. The user will have the opportunity to change the defaults when adding/changing a case. The Case value will be sent to GSA.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Change the Center Profile Table (050).
Expected Results: On the Additional Elements for Center Profile Table the Center Default Indicators should be displayed (Reimbursement Ind, Donation Ind, Sell by GSA Ind, Notify POC when available for sale, and Notify Custodian when available for sale) and available to change.
- Browse the Center Profile Table (050).
Expected Results: On the Additional Elements for Center Profile Table the Center Default Indicators should be displayed (Reimbursement Ind, Donation Ind, Sell by GSA Ind, Notify POC when available for sale, and Notify Custodian when available for sale).
- Perform a Case Review.
Expected Results: On Case Review Screen 1 the Reimbursement Ind will be displayed. After Case Review Screen 2 is displayed a pop-up window (Additional GSA Information) will be displayed with the GSA Donation Ind, GSA Sell by GSA Ind, GSA Notify POC when available for Sale, and GSA Notify Custodian when available for Sale fields displayed.
- Add a case.
Expected Results: If the following fields have a default value in table 050 they should be populated: Reimbursement Ind (1st screen), Donation Ind (GSA Reporting Data screen), Sell by GSA Ind (GSA Reporting data screen), Notify POC (GSA Reporting data screen), and Notify Custodian (GSA Reporting data screen). These values can be modified from the default value.
- Change a case.
Expected Results: The following fields can be modified: Reimbursement Ind (1st screen), Donation Ind (GSA Reporting Data screen), Sell by GSA Ind (GSA Reporting data screen), Notify POC (GSA Reporting data screen), and Notify Custodian (GSA Reporting data screen).
- Convert a single item case to a component case

Expected Results: The Indicators that were on the single item case will be on the component case.

- Convert a component case item to a single item case

Expected Results: The Indicators that were on the component case item will be on the single item case.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND3050MA		Map
ND3050MB		Map
ND3050MC		Map
ND3050MD		Map
ND3050PA	Center Profile Table Update	Program
ND3050PB	Browse ND-Table Center Profile	Program
ND4000MA		Map
ND4000ME		Map
ND4000PB	On-line Case display	Program
ND4000PC	On-line Case display	Program
ND4110AA		PDA
ND4110MA		Map
ND4110MC		Map
ND4110MD		Map
ND4110PA	On-line Add	Program
ND4110TB	On-line Add documentation	Text
ND4210AA		PDA
ND4210NA	On-line Case Modification check	Subpgm
ND4210PA	On-line Change	Program
ND4210TB	On-line Change documentation	Text
ND4700LA		LDA
ND4700MA		Map
ND4700PA	Convert Case to Component System	Program
ND4800MA		Map
ND4800PA	Convert Component System Item to Single-Case Item	Program
NDCASELA		LDA
NDCASHLA		LDA
NDM100PA	NPDMS/NSMS Batch Interface	Program
NDR003MD		Map
NDR003PA	Sales Listing Report	Program
NDR016AA		PDA
NDR016LA		LDA
NDR016M1		Map
NDR016M2		Map
NDR016MI		Map
NDR016MJ		Map
NDR016MK		Map

NDR016ML		Map
NDR016MM		Map
NDR016MU		Map
NDR016NB	Daily Transaction Report	Subpgm
NDR016NC	Daily Transaction Report	Subpgm
NDR016NF	Daily Transaction Report	Subpgm
NDR016NG	Daily Transaction Report	Subpgm
NDR016PC	Daily Transaction Report	Program
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program
NDR120PA	GSA SF-120 Excess Report	Program
NDR220GL		GDA
NDR220PA	Archive History Files	Program
NDT050LA		LDA
NDTXABLA		LDA
NDTXAELA		LDA
NDTXALA		LDA
NDTXHBLA		LDA
NDTXHDLB		LDA
NDTXHELA		LDA
NDTXHLA		LDA
NDTXNHLA		LDA
NDTXNLA		LDA
NDXCSUNA	Component System Update	Subpgm
TBLDELPA	Delete Center's Table Data	Program
TBLLOAD	Load ND-Table file	Program
TBLLODPA	Load Center's Table Data from a flat file	Program
TBLUNLD	Unload the ND-Table file	Program
TBLUNLPA	Unload a Center's Table Data from ND-TABLE	Program

APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 4.3

Introduction

Release information:

System Name: NPDMS
Release Number: 4.3
Release Date: April 2, 2004
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NPDMS)

Telephone: (256) 544-6673
Email: neal.cantrell@msfc.nasa.gov
FAX: (256) 544-1836

The following datasets are located on the transient storage DASD volumes under the following data sets names:

MSMOV.NPDMS.BETA.R430.R0404.ERR
MSMOV.NPDMS.BETA.R430.R0404.SRC
XXMOV.NPDMS.BETA.R430.R0404.PRD

Where "xx" is replaced by the appropriate NASA Center designation.

AR - ARC
DF - DFRC
GS - GSFC
HQ - HQ
J5 - JSC
KS - KSC
LA - LaRC
LE - GRC (Glenn)
MS - MSFC
SS - SSC

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 9.0 to assist in tracking the installation of this release.

- 1.0 Back Up Existing Data
- 2.0 Copy Source
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release-Specific Procedures
- 8.0 Local JCL Mods
- 9.0 Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up all NPDMS files as a precautionary measure prior to installation.

2.0 Copy Source

This will be performed by SESAAS for the core modules. Any changes for site unique versions of these modules will be performed by the centers.

2.1 Copy Source Code

Load the NPDMS source library from dataset:

MSMOV.NPDMS.BETA.R430.R0404.SRC.

The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPDMS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type	Count
GLOBAL DATA AREA	1
LOCAL/PARAM DATA AREA	17
MAPS	20
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	6
PROGRAMS	24
COPYCODE	0
TEXT	2
PROCESSOR	0
MISCELLANEOUS OBJECTS	0
Total:	70

2.2 List of Source Code Modifications

The following are the modules added, modified, and deleted.

Added Modules:

1. ND4000ME Map

Changed Modules:

1. ND3050MA Map
2. ND3050MB Map
3. ND3050MC Map
4. ND3050MD Map
5. ND3050PA Program
6. ND3050PB Program
7. ND3055PA Program
8. ND4000MA Map
9. ND4000PB Program
10. ND4000PC Program
11. ND4110AA PDA
12. ND4110MA Map
13. ND4110MC Map
14. ND4110MD Map
15. ND4110PA Program
16. ND4110TB Text
17. ND4210AA PDA
18. ND4210NA Subpgm
19. ND4210PA Program
20. ND4210TB Text
21. ND4700LA LDA
22. ND4700MA Map
23. ND4700PA Program
24. ND4800MA Map
25. ND4800PA Program
26. NDCASELA LDA
27. NDCASHLA LDA
28. NDM100PA Program
29. NDO000PA Program
30. NDR003MD Map
31. NDR003PA Program

32.NDR016AA	PDA
33.NDR016LA	LDA
34.NDR016M1	Map
35.NDR016M2	Map
36.NDR016MI	Map
37.NDR016MJ	Map
38.NDR016MK	Map
39.NDR016ML	Map
40.NDR016MM	Map
41.NDR016MU	Map
42.NDR016NB	Subpgm
43.NDR016NC	Subpgm
44.NDR016NF	Subpgm
45.NDR016NG	Subpgm
46.NDR016PC	Program
47.NDR110PA	Program
48.NDR110PB	Program
49.NDR120PA	Program
50.NDR220GL	GDA
51.NDR220PA	Program
52.NDT050LA	LDA
53.NDTXABLA	LDA
54.NDTXAELA	LDA
55.NDTXALA	LDA
56.NDTXHBLA	LDA
57.NDTXHDLB	LDA
58.NDTXHELA	LDA
59.NDTXHLA	LDA
60.NDTXNHLA	LDA
61.NDTXNLA	LDA
62.NDX500PA	Program
63.NDXCSUNA	Subpgm
64.NDXNEMPA	Program
65.TBLDELPA	Program
66.TBLLOAD	Program
67.TBLLODPA	Program
68.TBLUNLD	Program
69.TBLUNLPA	Program

Deleted Modules:

None

3.0 Pre-Predict Data Conversion

Not Applicable

4.0 Install Predict

This will be performed by SESAAS on the consolidated files.

4.1 Data Dictionary Changes

This release will include the new enhancements for Version 4.3.0. Details for changes in this release can be found under Section 4.1.3 Physical File Changes or by performing Predict reporting on the keyword NPDMS-4.3.0.

Use SYSDICBE to load the PREDICT modifications from the dataset:
xxMOV.NPDMS.BETA.R430.R0404.PRD.

The following NPDMS DDMs should be generated after the PREDICT load is completed:

ND-CASE
ND-CASE-HIST
ND-TABLE
ND-TRANS-HIST
ND-TRANSACTION

4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the Predict object modules for this release.

PREDICT Objects by Type:

Keyword	-	1
Standard/Help files	-	1
ADABAS Files and Views	-	5

4.1.2 Storage Considerations

Not applicable with this release.

4.1.3 Physical File Changes

Add the following fields:

ND-CASE		File # 248							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
1		GSA-DNTN-IND	A	1.0				GI	N
1		GSA-REIM-IND	A	1.0				GJ	N
1		GSA-SELL-BY-GSA-IND	A	1.0				GK	N
1		GSA-NOTIFY-CSTDN-IND	A	1.0				GL	N
1		GSA-NOTIFY-POC-IND	A	1.0				GM	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=248
ADADBS FNDEF='01,GI,1,A,NU'
ADADBS FNDEF='01,GJ,1,A,NU'
ADADBS FNDEF='01,GK,1,A,NU'
ADADBS FNDEF='01,GL,1,A,NU'
ADADBS FNDEF='01,GM,1,A,NU'
/*
```

ND-CASE-HIST		File # 252							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
1		GSA-DNTN-IND	A	1.0				FW	N
1		GSA-REIM-IND	A	1.0				FX	N
1		GSA-SELL-BY-GSA-IND	A	1.0				FZ	N
1		GSA-NOTIFY-CSTDN-IND	A	1.0				GA	N
1		GSA-NOTIFY-POC-IND	A	1.0				GB	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=252
ADADBS FNDEF='01,FW,1,A,NU'
ADADBS FNDEF='01,FX,1,A,NU'
ADADBS FNDEF='01,FZ,1,A,NU'
ADADBS FNDEF='01,GA,1,A,NU'
ADADBS FNDEF='01,GB,1,A,NU'
/*
```

ND-TABLE		File # 249							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
1		INST-DFLT-DNTN-IND	A	1.0				GD	N
1		INST-DFLT-REIM-IND	A	1.0				GE	N
1		INST-DFLT-SELL-BY-GSA-IND	A	1.0				GF	N
1		INST-DFLT-NOTIFY-CSTDN-IND	A	1.0				GG	N
1		INST-DFLT-NOTIFY-POC-IND	A	1.0				GH	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=249
ADADBS FNDEF='01,GD,1,A,NU'
ADADBS FNDEF='01,GE,1,A,NU'
ADADBS FNDEF='01,GF,1,A,NU'
ADADBS FNDEF='01,GG,1,A,NU'
ADADBS FNDEF='01,GH,1,A,NU'
/*
```

ND-TRANS-HIST		File # 251							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
1		GSA-DNTN-IND	A	1.0				JG	N
1		GSA-REIM-IND	A	1.0				JH	N
1		GSA-SELL-BY-GSA-IND	A	1.0				JI	N
1		GSA-NOTIFY-CSTDN-IND	A	1.0				JJ	N
1		GSA-NOTIFY-POC-IND	A	1.0				JK	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=251
ADADBS FNDEF='01,JG,1,A,NU'
ADADBS FNDEF='01,JH,1,A,NU'
ADADBS FNDEF='01,JI,1,A,NU'
ADADBS FNDEF='01,JJ,1,A,NU'
ADADBS FNDEF='01,JK,1,A,NU'
/*
```

ND-TABLE		File # 250							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
* -	-	-----	* -	-----	-----	*	*	--	*
1		GSA-DNTN-IND	A	1.0				JF	N
1		GSA-REIM-IND	A	1.0				JG	N
1		GSA-SELL-BY-GSA-IND	A	1.0				JH	N
1		GSA-NOTIFY-CSTDN-IND	A	1.0				JI	N
1		GSA-NOTIFY-POC-IND	A	1.0				JJ	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=250
ADADBS FNDEF='01,JF,1,A,NU'
ADADBS FNDEF='01,JG,1,A,NU'
ADADBS FNDEF='01,JH,1,A,NU'
ADADBS FNDEF='01,JI,1,A,NU'
ADADBS FNDEF='01,JJ,1,A,NU'
/*
```

5.0 Catalog Source Code

To be performed by the SESAAS DBA.

Run a batch job to catalog (CATALL) all modules in the NPDMS or other named library. **IT IS NECESSARY** to catalog the Global Data Areas. The NASA Batch Standard Parameters should be used for the compile with the exception of ESIZE=128.

After all objects are compiled, the NPDMS application will run under the NASA On-line Standard Parameter.

6.0 Post-Predict Data Conversion

Not Applicable

7.0 Perform Release-Specific Procedures

7.1 Load Natural Error Messages

To be performed by the SESAAS DBA.

Load error messages from the NASA Distribution data set MSMOV.NPDMS.BETA.REL430.R0404.ERR, using the NATURAL SYSERR utility ERRLODUS. This release contains **809** error messages, which will load to the library NPDMS. For additional information concerning SYSERR, refer to the NATURAL 2 Administrator's Manual.

8.0 Local JCL Mods

Bold lines are new lines

```
140R220PA2001 //CMWK01 DD DSN=MSIRM.NPDMDD.CASE.ARCH1,
140R220PA2002 //          DISP=(OLD,KEEP,KEEP),
140R220PA2003 //          DCB=(RECFM=FB,LRECL=1880,BLKSIZE=3760),
140R220PA2004 //          SPACE=(CYL,(40,20),RLSE),
140R220PA2005 //          UNIT=SYSDA
140R220PA2006 //CMWK02 DD DSN=MSIRM.NPDMDD.TRANS.ARCH1,
140R220PA2007 //          DISP=(OLD,KEEP,KEEP),
140R220PA2008 //          DCB=(RECFM=FB,LRECL=3686,BLKSIZE=3686),
140R220PA2009 //          SPACE=(CYL,(40,20),RLSE),
140R220PA2010 //          UNIT=SYSDA
140R220PA2011 //CMWK03 DD DSN=MSIRM.NPDMDD.TEXT.ARCH1,
```

9.0 Installation Checklist

- 1.0 Back Up Existing Data
- 2.0 Copy Source
 - 2.1 Copy Source Code
 - 2.2 List of Source Code Modifications
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
 - 4.1 Data Dictionary Changes
 - 4.1.1 Inventory of Objects
 - 4.1.2 Storage Considerations
 - 4.1.3 Physical File Changes
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release Specific Procedures
 - 7.1 Load Natural Error Messages
- 8.0 Local JCL Mods